

Attorney Docket: 2684/103

Customizable Computer System**Abstract**

A customizable computing system, having a microprocessor and a programmable logic device coupled to the microprocessor via a dedicated bus. The programmable logic device includes a configuration to provide I/O functionality to the system and may be a field programmable gate array. The programmable logic device operates as both a north bridge and a south bridge as is understood by those of ordinary skill in the art. Requests are received from the microprocessor in the programmable logic device over the dedicated bus and are processor specific requests. The processor specific requests are translated into processor dependent commands by a bridge. After the processor specific requests are translated into processor dependent commands, the commands are forwarded to processor independent I/O structures which interface with both internal and external peripheral devices to the customizable computing system.